

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF -078893	
1b. TYPE OF WELL OIL WELL <input type="checkbox"/> <input checked="" type="checkbox"/> OTHER SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Williams Production Company		7. UNIT AGREEMENT NAME Rosa Unit 96956	
3. ADDRESS OF OPERATOR c/o Walsh Engineering, 7415 E. Main St. Farmington, NM 87402 (505) 327-4892		8. FARM OR LEASE NAME, WELL NO. 500	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *) At Surface 990' FNL and 970' FWL At proposed Prod. Zone		9. API WELL NO. 30-039-26165	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 40 miles NE of Blanco, NM		10. FIELD AND POOL OR WILDCAT WE SIN 40230, Ojo ALAMO Blanco Mesa Verde	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 970'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA D Sec. 23, T31N, R4W	
16. NO. OF ACRES IN LEASE 1920		12. COUNTY OR PARISH DR Co San Juan Arriba NM	
17. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. 2900'		13. STATE NM	
18. PROPOSED DEPTH 6410'		14. NO. OF ACRES ASSIGNED TO THIS WELL 328 160	
19. ROTARY OR CABLE TOOLS Rotary		20. APPROX. DATE WORK WILL START* June 1999	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6849' GR		22. APPROX. DATE WORK WILL START* June 1999	
23. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
9-7/8"	7-5/8"	26.4#	500' 500
6-3/4"	5-1/2"	17#	6410' 3405
QUANTITY OF CEMENT			
215 cu.ft. Cl "B" with 3% CaCl <sub>2</sub>			
533cu.ft. 65/35 poz & 470cu.ft. Cl "B"			

Williams Production Company proposes to drill a vertical well to develop the Mesa Verde formation at the above described location in accordance with the attached drilling and surface use plans. In the event that the Mesa Verde formation is non productive, a completion attempt will be made in the Pictured Cliffs or Ojo Alamo. This location has been archaeologically surveyed by Moore Anthropological Research. Copies of their report have been submitted directly to your office.

This APD also is serving as an application to obtain BLM road and pipeline right-of-ways. This well will be accessed by a new road 20' wide by 2500' long which crosses the NW/NW of Sec. 23, the SE/SW and NE/SW of Sec. 14 T31N R4W where it joins Forest Road #310. Forest Road #310 continues south for 18 miles where it joins Highway 64. The pipeline is described on Plat #4.

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Paul C. Thompson TITLE Paul Thompson, Agent DATE 4/14/99

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD



District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
PO Drawer DD, Artesia, NM 88211-0719

District III  
1000 Rio Brazos Rd., Aztec, NM 87410

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 1994

Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

5510315 AM 7:49

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-26165		*Pool Code 96798	*Pool Name WC 31N4W23D10 ALAMO Blanco Mesa Verde
*Property Code 008480	*Property Name 17033 ROSA UNIT		*Well Number 500
*GRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6849'

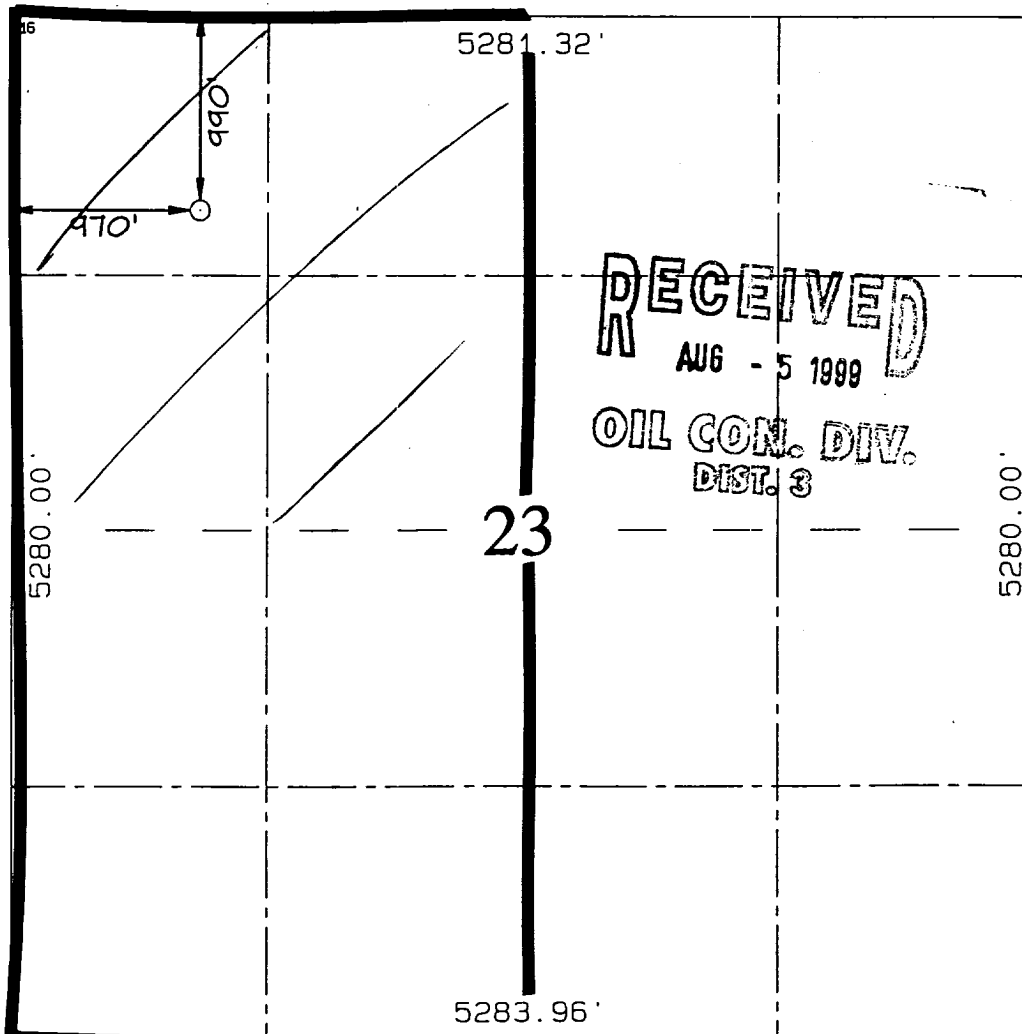
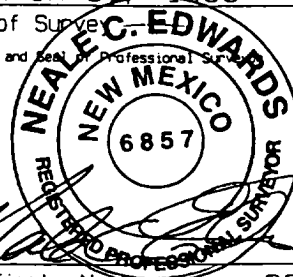
10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	23	31N	4W		990	NORTH	970	WEST	RIO ARriba

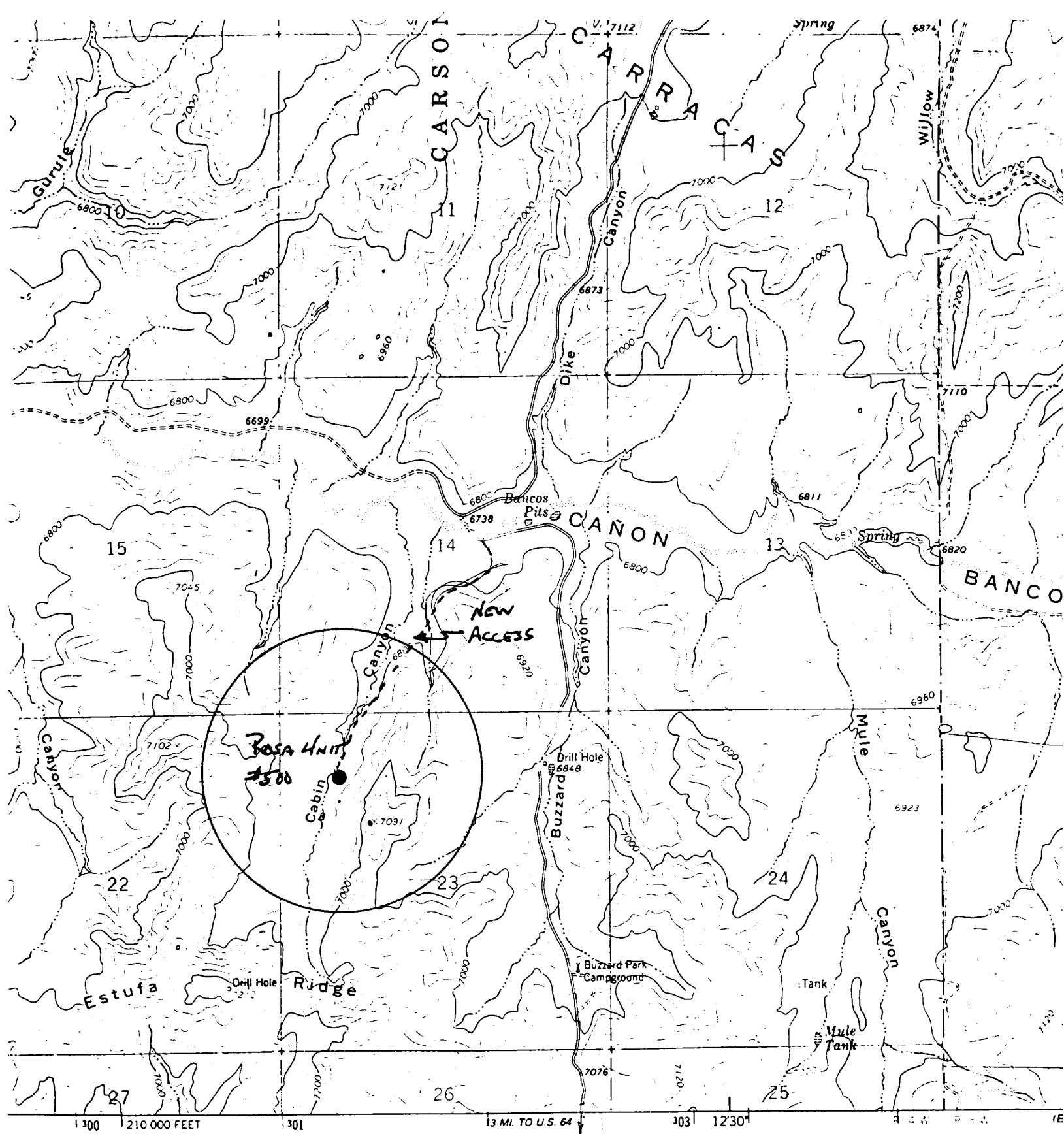
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres 320.160		13 Joint or Infill N		14 Consolidation Code U		15 Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature: Paul C. Thompson Printed Name: Paul C. Thompson Agent Title 4/14/99 Date	
	<b>18 SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  MARCH 31, 1999 Date of Survey Signature and Seal of Professional Surveyor  Certificate Number: 6857	





ed. edited, and published by the Geological Survey

l by USGS and USC&GS

phy by photogrammetric methods from aerial phc  
raphs taken 1958 and 1962 Field checked 1963

nic projection 1927 North American datum  
0 foot grid based on New Mexico coordinate system  
meter Universal Transverse Mercator grid ticks.  
3. shown in blue

ce on the predicted North American Datum 198  
he projection lines 2 meters north and  
ters east as shown by dashed corner ticks

PLAT #1

WILLIAMS PRODUCTION COMPANY  
Rosa Unit #500  
990'FNL & 970'FWL, Sec. 23, T31N, R4W  
San Juan County, NM



CONTOU  
NATIONAL GEO

Revisions shown in purple compiled

THIS MAP COMPLIES WITH